

HELIPOT®

SPACE-SAVING

POTS and DIALS

NOW IN STOCK



Immediate Delivery From Local Stock!

Want fast service on precision pots, dials and trimmers? You've got it. Since we have a wide selection of Helipot components in stock, your order is on its way the same day you place it. All it takes is a phone call.

Helipot's precision pot and dial line, biggest in the business, includes stock items like the 7266 and dial shown. Model 7266 is the industry's shortest $\frac{7}{8}$ " dia. 10-turn, and the 2606 Duodial® dial is a compact, $\frac{7}{8}$ " dia. model that's become an industry standard. The pot lists at \$10; the dial only \$7.75.

Our shelf stock also includes military and industrial trimmers with cermet resistance elements, the last word in reliable performance. Whenever you need components, give us a call!

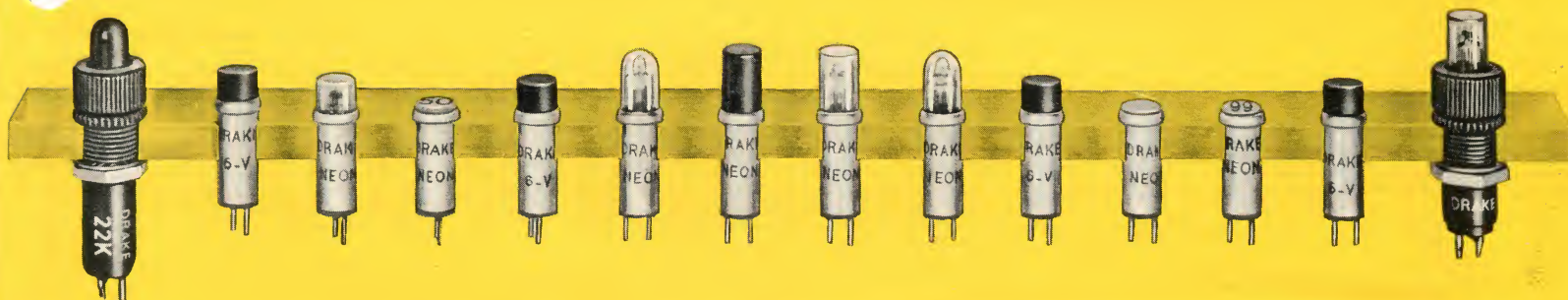
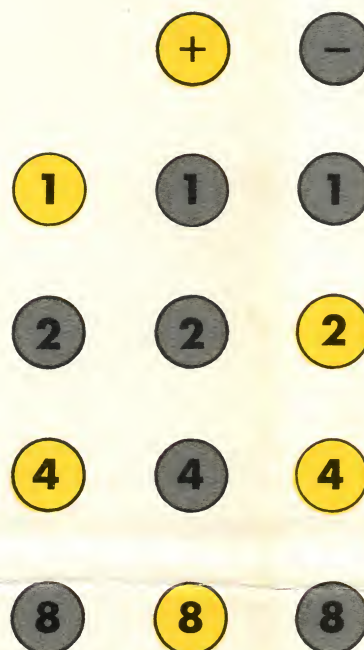
HELIPOT DIVISION OF BECKMAN INSTRUMENTS, INC.

new from...



DRAKE

BI-PIN CARTRIDGE LAMPS



**FOR COMPUTERS
AND OTHER EQUIPMENT**

**SUCH AS
TELEMETERING**

**BUSINESS
MACHINES**

INSTRUMENTATION

AND OTHERS

DRAKE MANUFACTURING COMPANY

4626 NORTH OLCOTT AVENUE, CHICAGO 31, ILLINOIS • PHONE Underhill 7-7227

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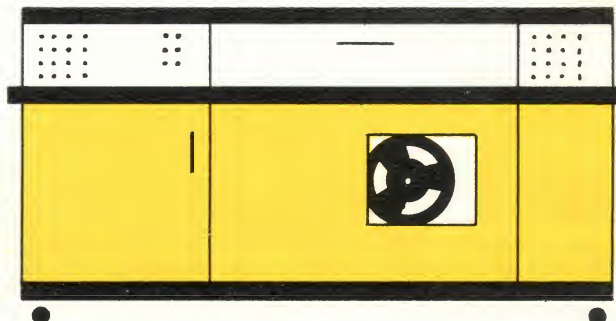
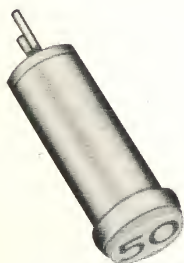
Canada: ATLAS RADIO CORP., 50 Wingold Avenue, Toronto 19

DRAKE

MANUFACTURING CO.
CHICAGO 31, ILLINOIS

• REPLACEABLE BI-PIN CARTRIDGE LAMPS AND LAMPHOLDERS

For use in Computers, Data Processing and
Automatic Instrumentation.



BUILT TO WITHSTAND ENVIRONMENTAL REQUIREMENTS OF MIL-STD-202B PER MIL-L-3661A

FEATURES:

- Small size
- Easy replacement from front of panel
- Wide choice of filter shapes (four) and colors (five)
- Available in neon or incandescent
- Incandescent available in a wide range of low voltages
- Selected units have low power drain, can be driven with transistors
- Fits DRAKE or any other make cartridge base lampholders

OPTIONAL FEATURES:

- Neon cartridge lamps may be ordered with built-in current limiting resistors
- Legends, imprinted on the filter (lens) surface, are indexed with the pins

CARTRIDGE LAMP SPECIFICATIONS:

Cartridge Body: Clear anodized aluminum

Insulation: Nylon

Two Indexed Terminals: Stainless steel

Filters: Plastic, transparent and translucent (*specify color desired*)

Lamps: Neon or incandescent, without bases, sealed into aluminum casing

COLORS: Neon—Red, Yellow, White, Colorless; Incandescent—same, plus Blue and Green
ALWAYS SPECIFY FILTER COLORS

NEON LAMPS

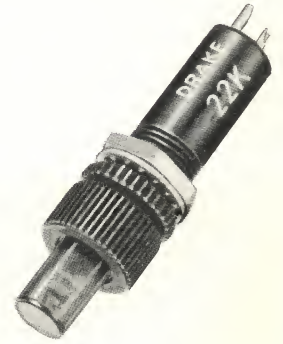
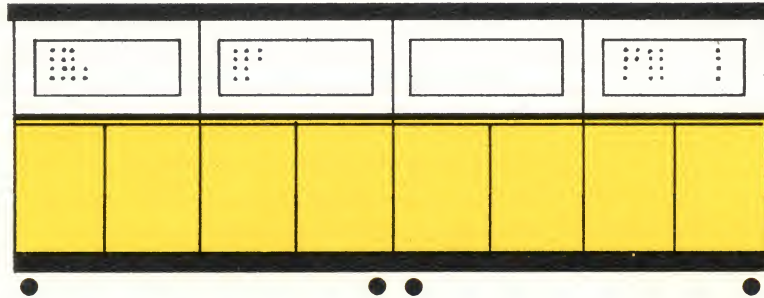
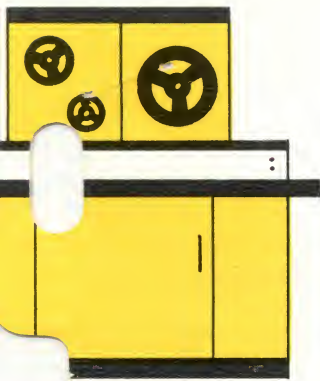
		STARTING VOLTS		INNER LAMP NUMBER	DESIGN CURRENT MA.	WATTS	C.P. AT DESIGN CURRENT	AV. LIFE AT DESIGN CURRENT (HRS)	RESIS. REQ. FOR DESIGN CURR. AT NORM. CIRC. VOLT	RESISTOR BUILT-INTO CARTRIDGE	CARTRIDGE LAMP NUMBER
		AC	DC								
		65	90	A1B	0.3	1/25	.003	25M	220K		1-503
				A1B	0.5	1/17	.005	5M	150K	X	2-503
				A1B	0.3	1/25	.003	25M	220K	X	3-503
				A1C	0.8	1/10	.012	25M	68K		4-503
				A1C	1.2	1/7	.017	10M	47K	X	5-503
		65	90	A1B	0.3	1/25	.003	25M	220K		1-603
				A1B	0.5	1/17	.005	5M	150K	X	2-603
				A1B	0.3	1/25	.003	25M	220K	X	3-603
				A1C	0.8	1/10	.012	25M	68K		4-603
				A1C	1.2	1/7	.017	10M	47K	X	5-603
		65	90	NE2E	0.6	1/15	.006	25M	100K		1-803
				NE2E	1.1	1/8	.010	5M	56K	X	2-803
				NE2E	0.6	1/15	.006	25M	100K	X	3-803
				NE2H	1.8	1/5	.024	25M	33K		4-803
				NE2H	2.6	1/3	.034	10M	22K	X	5-803
		65	90	NE2E	0.6	1/15	.006	25M	100K		1-703
				NE2E	1.1	1/8	.010	10M	56K	X	2-703
				NE2E	0.6	1/15	.006	25M	100K	X	3-703
				NE2H	1.8	1/5	.024	25M	33K		4-703
				NE2H	2.6	1/3	.034	10M	22K	X	5-703

(H) HI-BRIGHTNESS Lamps—best for indicators with AC current

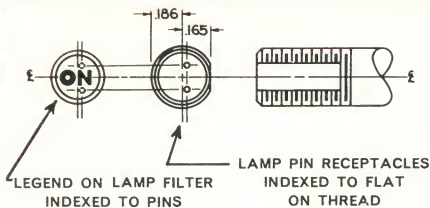
ORDER LAMPS AND LAMPHOLDERS SEPARATELY

• **REPLACEABLE BI-PIN CARTRIDGE LAMPS AND LAMPHOLDERS**
Single Units or in Blocks of Units—
Now Available

DRAKE
MANUFACTURING CO.
CHICAGO 31, ILLINOIS



EXCLUSIVE INDEXED LAMPS AND LAMPHOLDER



Drake two-pin cartridge lamps with Readout filters are constructed so that the legend is always indexed to the pins, as illustrated. Likewise, Drake offers a mating holder with a flat side milled in the thread which is indexed to the pin receptacles. By piercing the panel with aligned "D" holes, you can be sure that the legends will always be upright without any adjustment.

In addition, you can be sure that replacement lamps will always line up properly.

PRINTED LEGENDS

For a small extra charge, flat face filters may be imprinted with one, two, or three digits, letters or symbols: one or two, in 12 pt. type ($\frac{3}{16}$ " high); three, in 6 pt. type ($\frac{1}{8}$ " high).



INCANDESCENT LAMPS

DESIGN VOLTS	DESIGN CURRENT (AMPS)	AVG. LIFE (HRS)	CANDLE POWER (C.P.)	CARTRIDGE LAMP NUMBER	
				TRANSPARENT FILTER	TRANSLUCENT FILTER
6	.20	500	.63	6-503	6-504
10	.014	L	.005	*7-503	*7-504
14	.08	750	.15	9-503	9-504
18	.04	1000	.20	10-503	10-504
28	.04	1000	.34	11-503	11-504
6	.20	500	.63	6-603	6-604
10	.014	L	.005	*7-603	*7-604
14	.08	750	.15	9-603	9-604
18	.04	1000	.20	10-603	10-604
28	.04	1000	.34	11-603	11-604
6	.20	500	.63	6-803	6-804
10	.014	L	.005	—	—
14	.08	750	.15	9-803	9-804
18	.04	1000	.20	10-803	10-804
28	.04	1000	.34	11-803	11-804
6	.20	500	.63	6-703	6-704
10	.014	L	.005	—	—
14	.08	750	.15	9-703	9-704
18	.04	1000	.20	10-703	10-704
28	.04	1000	.34	11-703	11-704

L—Indefinitely long life

* Because of the low brightness these are available in only colorless transparent and white translucent.

NOTE: Other electrical ratings up to 28 volts available on special order.

MONEY SAVERS—TIME SAVERS!

Now, DRAKE advanced design gives you Bi-Pin Cartridge Lamps (both neon and incandescent) and Lampholders which slice sharply into both direct cost and assembly time, compared to other versions on the market.

Special DRAKE features are equally valuable whether you make Computers, Business Machines, Instrumentation, or other products which require well-made, reliable Cartridge Lamps and Lampholders.

For example, the indexing of all printed legends to mate with indexed lampholders is a major DRAKE breakthrough. The diagram on this page illustrates this feature.

If you use the neon variety, DRAKE Cartridges give you the great advantage of a built-in resistor either in the Cartridge or the lampholder, as you choose. When supplied in the DRAKE lampholder, you can offer an important saving to your customer, since replacement Cartridges are less expensive without resistors. What's more, DRAKE's modern design gives you a Cartridge with built-in resistor with the same short over-all length as existing types *without* resistor—yet this Cartridge can still be used with the longer old-style lampholders.

Ask for samples—comparison will show you the many advantages of the new DRAKE Cartridges and Lampholders at a glance!



SEE BACK PAGE FOR DETAILS ON LAMPHOLDERS ►

DRAKE CARTRIDGE LAMPHOLDERS

You save extra, with normal stationary equipment, by using DRAKE Bi-Pin Cartridge Lampholders *without the collar!*

For more rugged applications, subject to vibration and shock, the collar is required to hold the cartridge in place.



BI-PIN CARTRIDGE LAMPHOLDERS

FEATURES:

- Small Size—mounts in $\frac{3}{8}$ " dia. hole on $\frac{1}{2}$ " centers
- Sturdy aluminum and phenolic construction
- Exclusive *E-Z Tite* knurled facing nut for easy and secure installation on panel. Order No. 20 wrench
- Terminals identified with letters "A" and "B", for DC operation with seasoned lamps

OPTIONAL FEATURES:

- Built-in 1/10 watt current limiting resistor for use with neon cartridges

SPECIFICATIONS:

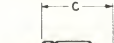

- Both contacts insulated from mounting
- **Test Voltage:** 1,000 AC at 60 cps

MATERIALS and FINISHES:

- **Body, Collar and Facing Nut:** black anodized aluminum
- **Lockwasher and Hex Nut:** cadmium and Cronak over steel
- **Insulation:** molded phenolic
- **Terminals:** spring brass, silver plated with gold flash

[illegible]

FRONT PROJECTION CHART

	LAMPHOLDER WITH COLLAR	LAMPHOLDER WITHOUT COLLAR	FILTER SHAPE	FRONT PROJECTION WITH LAMP INSTALLED	
				DIM. B	DIM. C
			Flush	$\frac{7}{32}$	$\frac{3}{8}$
			Short Cylindrical	$\frac{3}{8}$	$1\frac{17}{32}$
			Long Cylindrical	$1\frac{19}{32}$	$\frac{3}{4}$
			Long Macro dome	$3\frac{7}{64}$	$4\frac{7}{64}$

The Front Projection Table shows how far the filter protrudes in front of the panel.

***samples and prices
furnished on
request***

Specialists in Miniature Lighting Since 1932

DRAKE MANUFACTURING COMPANY

4626 NORTH OLCOTT AVENUE, CHICAGO 31, ILLINOIS • PHONE UNderhill 7-7227

Export: 13 E. 40th Street, New York City 16, U.S.A. Cable: HALAB

Canada: ATLAS RADIO CORP., 50 Wingold Avenue, Toronto 19

**SUPERSEDES
FOLDER 6205**

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